

In the claims

1-52. (Cancelled)

53. (Previously Presented) A portable battery recharge station comprising:
a supervisory circuit associated with a voltage requirement of a secondary battery;
and

a voltage converter in communication with the supervisory circuit,
wherein when the secondary battery is in contact with the supervisory circuit, the
supervisory circuit instructs the voltage converter to supply a voltage to the secondary
battery in accordance with the voltage requirement.

54. (Previously Presented) The station of claim 53, further comprising a holder
configured to receive the secondary battery.

55. (Previously Presented) The station of claim 53, further comprising a socket
configured to receive the secondary battery.

56. (Previously Presented) The station of claim 53, wherein the voltage
converter is configured to receive power from a power source, converts the power in
accordance with the voltage requirement, and supplies the converted power to the
secondary battery.

57. (Previously Presented) The station of claim 56, wherein the power source is
an electrical outlet.

58. (Previously Presented) The station of claim 56, wherein the power source is
a vehicular battery.

59. (Previously Presented) The station of claim 56, wherein the power source is
one of a replaceable battery, a rechargeable battery, a renewable battery, and a renewable
fuel cell.

60. (Previously Presented) The station of claim 59, wherein the replaceable battery is one of an alkaline battery, a lithium battery, and a zinc-air battery.
61. (Previously Presented) The station of claim 59, wherein the rechargeable battery is one of a NiCd battery, a NiH₂ battery, a NiMH battery, a Li-ion battery, a Li-polymer battery, a zinc-air battery, and a lead acid battery.
62. (Previously Presented) The station of claim 61, further comprising a recharger connected to the power source, wherein the recharger is adapted to receive energy from an external power source.
63. (Previously Presented) The station of claim 59, wherein the renewable fuel cell is one of a methanol fuel cell and a renewable electrolyte type cell.
64. (Previously Presented) The station of claim 63, further comprising a reservoir adapted to contain fuel of the renewable battery.
65. (Previously Presented) The station of claim 64 further comprising a gauge adapted to measure a level of the fuel.
66. (Previously Presented) A battery charging system comprising:
a charging cord having a first end that is configured to mate with a device having a secondary battery; and
a portable battery recharge station having a voltage converter and a supervisory circuit, the portable battery recharge station is configured to receive a second end of the charging cord, wherein when the charging cord is connected to the device and the portable battery recharge station, the supervisory circuit determines a voltage requirement of the secondary battery, and the supervisory circuit then instructs the voltage converter to supply a voltage to the secondary battery in accordance with the voltage requirement.

67. (Previously Presented) The system of claim 66, wherein the voltage converter receives power from a power source, converts the power in accordance with the voltage requirement, and supplies the converted power to the secondary battery.
68. (Previously Presented) The system of claim 67, wherein the power source is an electrical outlet.
69. (Previously Presented) The system of claim 67 wherein the power source is a vehicular battery.
70. (Previously Presented) The system of claim 67 wherein the power source is one of a replaceable battery, a rechargeable battery, a renewable battery, and a renewable fuel cell.
71. (Previously Presented) The system of claim 70, wherein the replaceable battery is one of an alkaline battery, a lithium battery and a zinc-air battery.
72. (Previously Presented) The system of claim 70, wherein the rechargeable battery is one of a NiCd battery, a NiH₂ battery, a NiMH battery, a Li-ion battery, a Li-polymer battery, a zinc-air battery, and a lead acid battery.
73. (Previously Presented) The system of claim 72, further comprising a recharger connected to the portable power source, wherein the recharger is adapted to receive power from an external power source.
74. (Previously Presented) The system of claim 72, wherein the renewable battery is one of a methanol fuel cell and a renewable electrolyte type cell.
75. (Currently Amended) A method for recharging secondary batteries comprising: obtaining a voltage requirement of a secondary battery, wherein the obtaining involves a supervisory circuit in communication with the secondary battery; and

instructing a voltage converter to receive power from a power source, to convert the power to meet the voltage requirement, and to supply the converted power to the secondary battery.

76. (Cancelled)

77. (Previously Presented) The method of claim 75, wherein the obtaining involves a programming resistor.

78. (Previously Presented) The method of claim 77, wherein the programming resistor is associated with the secondary battery.

79. (Previously Presented) The method of claim 77, wherein the programming resistor is associated with a device-specific charging cord that is connected to a device housing the secondary battery.

80. (Previously Presented) The battery charging system of claim 66, wherein the charging cord includes a programmable resistor and wherein the supervisory circuit determines the voltage requirement of the secondary battery based on a resistance value of the programming resistor.

81. (Previously Presented) The battery charging system of claim 66, wherein the charging cord is a device-specific charging cord and the voltage requirement of the secondary battery is determined based on the device-specific charging cord.